

10786098_CLSTITLES

Titles of most frequently occurring classifications of patents returned
from a search of 10786098 on Apr 13 , 2007

- 22 165/151 (14 OR, 8 XR)
 Class 165 HEAT EXCHANGE
 165/148 .RADIATOR CORE TYPE
 165/151 ..Side-by-side tubes traversing fin means

- 17 165/181 (4 OR, 13 XR)
 Class 165 HEAT EXCHANGE
 165/177 .TUBULAR STRUCTURE
 165/181 ..With discrete heat transfer means

- 14 165/166 (7 OR, 7 XR)
 Class 165 HEAT EXCHANGE
 165/164 .FLOW PASSAGES FOR TWO CONFINED FLUIDS
 165/165 ..Interdigitated plural first and plural second fluid
 passages 165/166 ...Stacked plates or shells form interplate passages

- 10 165/153 (3 OR, 7 XR)
 Class 165 HEAT EXCHANGE
 165/148 .RADIATOR CORE TYPE
 165/152 ..Deformed sheet forms passages between side-by-side tube
 means 165/153 ...With tube manifold

- 8 165/152 (6 OR, 2 XR)
 Class 165 HEAT EXCHANGE
 165/148 .RADIATOR CORE TYPE
 165/152 ..Deformed sheet forms passages between side-by-side tube
 means

- 7 165/133 (2 OR, 5 XR)
 Class 165 HEAT EXCHANGE
 165/133 .WITH COATED, ROUGHENED OR POLISHED SURFACE

- 7 165/179 (1 OR, 6 XR)
 Class 165 HEAT EXCHANGE
 165/177 .TUBULAR STRUCTURE
 165/179 ..Projecting internal and external heat transfer means

- 6 165/184 (1 OR, 5 XR)
 Class 165 HEAT EXCHANGE
 165/177 .TUBULAR STRUCTURE
 165/181 ..With discrete heat transfer means
 165/183 ...Longitudinal extending
 165/184Helical

- 5 29/890.046 (1 OR, 4 XR)
 Class 29 METAL WORKING
 29/592 .METHOD OF MECHANICAL MANUFACTURE
 29/890.03 ..Heat exchanger or boiler making
 29/890.045 ...Tube with heat transfer means
 29/890.046Finned tube

- 5 165/146 (2 OR, 3 XR)
 Class 165 HEAT EXCHANGE
 165/146 .GRADATED HEAT TRANSFER STRUCTURE

- 5 165/DIG 503 (0 OR, 5 XR)
 Class 165 HEAT EXCHANGE

10786098_CLSTITLES

165/DIG 454 .HAVING SIDE-BY-SIDE CONDUITS STRUCTURE OR CONDUIT SECTION
 165/DIG 500 ..Side-by-side conduits with fins
 165/DIG 501 ...Plate fins penetrated by plural conduits
 165/DIG 502Lanced
 165/DIG 503Angled louvers

- 5 165/182 (0 OR, 5 XR)
 Class 165 HEAT EXCHANGE
 165/177 .TUBULAR STRUCTURE
 165/181 ..With discrete heat transfer means
 165/182 ...With means spacing fins on structure
- 4 165/150 (4 OR, 0 XR)
 Class 165 HEAT EXCHANGE
 165/148 .RADIATOR CORE TYPE
 165/150 ..Serially connected tube sections
- 3 165/177 (1 OR, 2 XR)
 Class 165 HEAT EXCHANGE
 165/177 .TUBULAR STRUCTURE
- 3 29/890.048 (0 OR, 3 XR)
 Class 29 METAL WORKING
 29/592 .METHOD OF MECHANICAL MANUFACTURE
 29/890.03 ..Heat exchanger or boiler making
 29/890.045 ...Tube with heat transfer means
 29/890.046Finned tube
 29/890.048Helically finned
- 3 29/890.047 (2 OR, 1 XR)
 Class 29 METAL WORKING
 29/592 .METHOD OF MECHANICAL MANUFACTURE
 29/890.03 ..Heat exchanger or boiler making
 29/890.045 ...Tube with heat transfer means
 29/890.046Finned tube
 29/890.047Common fin traverses plurality of tubes
- 3 165/134.1 (2 OR, 1 XR)
 Class 165 HEAT EXCHANGE
 165/134.1 .WITH PROTECTOR OR PROTECTIVE AGENT
- 3 29/890.043 (0 OR, 3 XR)
 Class 29 METAL WORKING
 29/592 .METHOD OF MECHANICAL MANUFACTURE
 29/890.03 ..Heat exchanger or boiler making
 29/890.043 ...Tube joint and tube plate structure
- 3 62/50.2 (2 OR, 1 XR)
 Class 62 REFRIGERATION
 62/45.1 .STORAGE OF SOLIDIFIED OR LIQUIFIED GAS (E.G., CRYOGEN)
 62/50.1 ..Liquified gas transferred as liquid
 62/50.2 ...With vaporizing of liquified gas downstream of storage
- 3 165/109.1 (2 OR, 1 XR)
 Class 165 HEAT EXCHANGE
 165/109.1 .WITH AGITATING OR STIRRING STRUCTURE
- 3 228/183 (2 OR, 1 XR)
 Class 228 METAL FUSION BONDING
 228/101 .PROCESS
 228/178 ...Plural joints
 228/182 ...Of mechanical article
 228/183Heat exchanger structure

10786098_CLSTITLES

- 3 165/183 (0 OR, 3 XR)
 - Class 165 HEAT EXCHANGE
 - 165/177 .TUBULAR STRUCTURE
 - 165/181 ..With discrete heat transfer means
 - 165/183 ...Longitudinal extending
- 2 165/173 (1 OR, 1 XR)
 - Class 165 HEAT EXCHANGE
 - 165/172 .SIDE-BY-SIDE TUBULAR STRUCTURES OR TUBE SECTIONS
 - 165/173 ..With manifold type header or header plate
- 2 29/890.052 (0 OR, 2 XR)
 - Class 29 METAL WORKING
 - 29/592 .METHOD OF MECHANICAL MANUFACTURE
 - 29/890.03 ..Heat exchanger or boiler making
 - 29/890.052 ...Header or manifold making
- 2 118/730 (0 OR, 2 XR)
 - Class 118 COATING APPARATUS
 - 118/715 .GAS OR VAPOR DEPOSITION
 - 118/728 ..Work support
 - 118/729 ...Moving work support
 - 118/730Rotary
- 2 62/235.1 (2 OR, 0 XR)
 - Class 62 REFRIGERATION
 - 62/235.1 ..UTILIZING SOLAR ENERGY
- 2 237/2B (0 OR, 2 XR)
 - Class 237 HEATING SYSTEMS
 - 237/2R .AUTOMATIC CONTROL
 - 237/2B ..Heat source is a reverse cycle refrigerating system or

heat pump
- 2 29/890.03 (1 OR, 1 XR)
 - Class 29 METAL WORKING
 - 29/592 .METHOD OF MECHANICAL MANUFACTURE
 - 29/890.03 ..Heat exchanger or boiler making
- 2 165/165 (1 OR, 1 XR)
 - Class 165 HEAT EXCHANGE
 - 165/164 .FLOW PASSAGES FOR TWO CONFINED FLUIDS
 - 165/165 ..Interdigitated plural first and plural second fluid

passages
- 2 62/476 (0 OR, 2 XR)
 - Class 62 REFRIGERATION
 - 62/467 .REFRIGERATION PRODUCER
 - 62/476 ..Sor bent type
- 2 165/145 (2 OR, 0 XR)
 - Class 165 HEAT EXCHANGE
 - 165/144 .LINE CONNECTED CONDUIT ASSEMBLIES
 - 165/145 ..In common casing
- 2 165/174 (0 OR, 2 XR)
 - Class 165 HEAT EXCHANGE
 - 165/172 .SIDE-BY-SIDE TUBULAR STRUCTURES OR TUBE SECTIONS
 - 165/173 ..With manifold type header or header plate
 - 165/174 ...With internal flow director
- 2 376/272 (2 OR, 0 XR)

10786098_CLSTITLES

Class 376 INDUCED NUCLEAR REACTIONS: PROCESSES, SYSTEMS, AND ELEMENTS
 376/260 .HANDLING OF FISSION REACTOR COMPONENT STRUCTURE WITHIN
 REACTOR SYSTEM
 376/272 ..Storage container systems for new and/or irradiated core
 elements

2 165/911 (0 OR, 2 XR)
 Class 165 HEAT EXCHANGE
 165/911 .VAPORIZATION

2 376/298 (0 OR, 2 XR)
 Class 376 INDUCED NUCLEAR REACTIONS: PROCESSES, SYSTEMS, AND ELEMENTS
 376/277 .REACTOR PROTECTION OR DAMAGE PREVENTION
 376/298 ..Auxiliary heat removal structure

2 261/153 (0 OR, 2 XR)
 Class 261 GAS AND LIQUID CONTACT APPARATUS
 261/127 .WITH EXTERNAL SUPPLY OR REMOVAL OF HEAT
 261/152 ..Heat exchange means at or downstream of contact zone
 261/153 ...Gas exposed liquid body or sheet contacting heat
 exchanger

2 165/916 (0 OR, 2 XR)
 Class 165 HEAT EXCHANGE
 165/916 .OIL COOLER

2 165/DIG 389 (0 OR, 2 XR)
 Class 165 HEAT EXCHANGE
 165/DIG 355 .HAVING SEPARATE FLOW PASSAGE FOR TWO DISTINCT FLUIDS
 165/DIG 356 ..Plural plates forming a stack providing flow passages
 therein
 165/DIG 387 ...Including side-edge seal or edge spacer bar
 165/DIG 389Flow enhancer integral with side-edge seal or edge
 spacer bar

2 228/262.43 (0 OR, 2 XR)
 Class 228 METAL FUSION BONDING
 228/101 .PROCESS
 228/262.1 ..Critical work component, temperature, or pressure
 228/262.4 ...Ferrous metal member
 228/262.41Steel member
 228/262.42Brazeing or soldering
 228/262.43And nonferrous metal member

2 165/81 (0 OR, 2 XR)
 Class 165 HEAT EXCHANGE
 165/81 .EXPANSION AND CONTRACTION RELIEVING OR ABSORBING MEANS

2 165/115 (1 OR, 1 XR)
 Class 165 HEAT EXCHANGE
 165/110 .WITH FIRST FLUID HOLDER OR COLLECTOR OPEN TO SECOND FLUID
 165/115 ..Trickler

2 165/170 (0 OR, 2 XR)
 Class 165 HEAT EXCHANGE
 165/168 .CONDUIT WITHIN, OR CONFORMING TO, PANEL OR WALL STRUCTURE
 165/170 ..Opposed plates or shells

2 165/171 (0 OR, 2 XR)
 Class 165 HEAT EXCHANGE
 165/168 .CONDUIT WITHIN, OR CONFORMING TO, PANEL OR WALL STRUCTURE
 165/171 ..Means spanning side-by-side tube elements

10786098_CLSTITLES

- 2 165/122 (0 OR, 2 XR)
 - Class 165 HEAT EXCHANGE
 - 165/120 .WITH IMPELLER OR CONVEYOR MOVING EXCHANGE MATERIAL
 - 165/121 ..Mechanical gas pump
 - 165/122 ...Heating or cooling means and gas pump in housing

- 2 257/E23.088 (0 OR, 2 XR)
 - Class 257 ACTIVE SOLID-STATE DEVICES (E.G., TRANSISTORS, SOLID-STATE DIODES)
 - 257/E23.001 .PACKAGING, INTERCONNECTS, AND MARKINGS FOR SEMICONDUCTOR OR OTHER SOLID-STATE DEVICES (EPO)
 - 257/E23.08 ..Arrangements for cooling, heating, ventilating or temperature compensation; temperature-sensing arrangements (EPO)
 - 257/E23.087 ...Fillings or auxiliary members in containers or encapsulations selected or arranged to facilitate heating or cooling (EPO)
 - 257/E23.088Cooling by change of state, e.g., use of heat pipes (EPO)

- 2 62/515 (1 OR, 1 XR)
 - Class 62 REFRIGERATION
 - 62/467 .REFRIGERATION PRODUCER
 - 62/515 ..Evaporator, e.g., heat exchanger

- 2 165/104.33 (0 OR, 2 XR)
 - Class 165 HEAT EXCHANGE
 - 165/104.11 .INTERMEDIATE FLUENT HEAT EXCHANGE MATERIAL RECEIVING AND DISCHARGING HEAT
 - 165/104.19 ..Liquid fluent heat exchange material
 - 165/104.33 ...Cooling electrical device